

MIL-C-39024/3B  
14 August 1991  
SUPERSEDING  
MIL-C-39024/3A  
17 April 1978

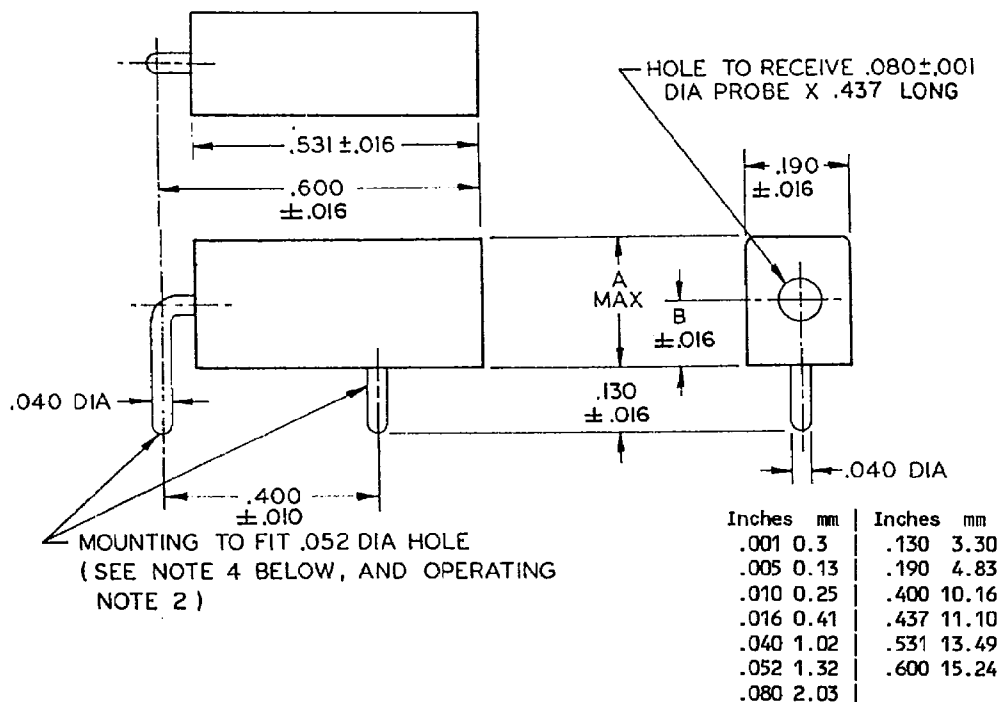
MILITARY SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, TEST POINT TYPE, PRINTED WIRING;  
SINGLE TEST POINT (RIGHT ANGLE, 2-LEG MOUNTING), LOW VOLTAGE

This specification is approved for use by all Departments and  
Agencies of the Department of Defense.

(B)

The requirements for acquiring the product described herein shall consist  
of this specification sheet and the issue of the following specification  
listed in that issue of the Department of Defense Index of Specifications  
and Standards (DODISS) specified in the solicitation: MIL-C-39024.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ±.005 (0.13 mm).
4. Terminal contour is optional provided that mounting hole and mounting center requirements are met.

FIGURE 1. Configuration and dimensions.

(B) denotes changes

TABLE I. Dimensions and color code.

Dash number	Dimensions <sup>1/</sup>		Color	Number in accordance with FED-STD-595
	A (max)	B		
-01	.230 (5.84)	.130 (3.30) ±.015 (0.38)	White	17875
-02	"	"	Red	11105
-03	"	"	Black	17038
-04	"	"	Brown	10075
-05	"	"	Green	14110
-06	"	"	Orange	12246
-07	"	"	Blue	15123
-08	"	"	Yellow	13655
-09	"	"	Gray	16187
-10	"	"	Purple	27144
-11	.467 (11.86)	.375 (9.53)	White	17875
-12	"	"	Red	11105
-13	"	"	Black	17038
-14	"	"	Brown	10075
-15	"	"	Green	14110
-16	"	"	Orange	12246
-17	"	"	Blue	15123
-18	"	"	Yellow	13655
-19	"	"	Gray	16187
-20	"	"	Purple	27144

<sup>1/</sup> Metric equivalents are in parentheses.

#### REQUIREMENTS:

##### Design and construction:

Dimensions and configuration: See figure 1 and table I.

Test probe tip - Connector jack shall accept a .080 ±.001 inch diameter and .438 inch (min) length, test probe tip.

Insulation resistance: For test circuit, see figure 2 in MIL-C-39024.

Dielectric withstanding voltage (at sea level): A test voltage of 2,500 volts rms, 60 hertz shall be applied. (For test circuit, see figure 2 in MIL-C-39024.)

##### Insertion and withdrawal forces:

Insertion force: 4.5 pounds (max).

Withdrawal force: 0.5 pound (min).

##### Identification marking:

(B)

Part or Identifying Number (PIN): M39024/3-(dash number from table I).

##### OPERATING NOTES:

1. Operating voltage at sea level is 1,800 volts rms, 60 hertz; and at 50,000 feet is 500 volts rms, 60 hertz.
2. Maximum thickness of printed wiring board is .125 inch.

⑧ QUALIFICATION: Not applicable.

Quality conformance inspection: Groups A and B tests of MIL-C-39024 shall be applicable.

CONCLUDING MATERIAL

Custodians:

Army - CR  
Navy - EC  
Air Force - 85

Review activities:

Army - ME  
Navy - SH  
Air Force - 11, 17, 99  
DLA - ES

User activities:

Army - AR, M1  
Navy - AS, CG, MC, OS, YD  
Air Force - 14, 19

Preparing activity:

Navy - EC

Agent:

DLA - ES

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